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## ABSTRACT OF THE DISCLOSURE

Disclosed are an apparatus and a method for adaptively detecting received signals for power line communication, which are capable of stably receiving desired data transmitted via a power line irrespective of variations in channel characteristics. The apparatus includes a main control unit (MCU) interface unit for adjusting a timing of data transmission, a register unit for storing control data, a threshold value, an offset value, and an error rate received from the MCU interface unit, and for outputting the stored data and values, a control logic unit for controlling a selection of a threshold value, based on the control data stored in the register unit, a reference data selecting unit for selectively outputting, as threshold values, the threshold value and offset value, under control of the control logic unit, and a data processing unit for determining, based on threshold values to be selectively outputted by the reference data selecting unit, whether or not the serial data received via a power line is effective data, and for outputting the data.